

PO Job Risk Assessment

Name(s) of Risk Team Members: S. Boose, H. Diaz, R. Pisani, R. Gill (facilitator)	Point Value → Parameter ↓	1	2	3	4	5
Job Title: Electrical Work – High Energy Job Number or Job Identifier: PO-JRA-007	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Description: Electrical and electronic work with voltages >300 V.	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training and Procedure List (Optional):	Likelihood (D)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple
Rev. #: 0	Date: February 15, 2005					
Stressors (if applicable, please list all):		Reason for Revision (if applicable):			Comments:	

				Before Additional Controls							After Additional Controls					
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Operating high power switches and circuit breakers	Electrocution	Training, 70E PPE, work permits	N	1	2	5	1	10								
	Electrical shock	Training, 70E PPE, work permits	N	1	2	2	1	4								
	Arc flash resulting in skin burn	Training, 70E PPE, work permits	N	1	2	3	1	6								
	Reflex injury	Training, 70E PPE, work permits	N	1	2	2	1	4								

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				Before Additional Controls							After Additional Controls					% Risk Reduction
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	
Operating high voltage, low current power supplies (cont'd)	Electrocution	Training, proper grounding, NRTL equipment rating	N	1	3	5	1	15								
	Electrical shock	Training, proper grounding, NRTL equipment rating, proper cables and connectors	N	1	3	2	1	6								
	Arc flash resulting in skin burn	Training, proper grounding, NRTL equipment rating, proper cables and connectors	N	1	2	3	1	6								
	Reflex injury	Training, proper grounding, NRTL equipment rating, proper cables and connectors	N	1	2	2	1	4								
Connecting devices to power supplies	Electrical shock	Training, proper grounding, proper cables and connectors, power off while making connections	N	1	3	2	1	6								
	Arc flash resulting in skin burn	Training, proper grounding, proper cables and connectors, power off while making connections	N	1	3	3	1	9								
	Reflex injury	Training, proper grounding, proper cables and connectors, power off while making connections	N	1	3	2	1	6								
Troubleshooting, repair of electrical or electronic equipment	Electrocution	Training, proper grounding, NRTL equipment rating, making and breaking test lead connections with power off, working hot permits, 70E PPE	N	1	1	5	2	10								

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				Before Additional Controls							After Additional Controls					
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Troubleshooting, repair of electrical or electronic equipment (cont'd)	Electrical shock	Training, proper grounding, NRTL equipment rating, making and breaking test lead connections with power off, working hot permits, 70E PPE	N	1	1	3	2	6								
	Arc flash resulting in skin burn	Training, proper grounding, NRTL equipment rating, making and breaking test lead connections with power off, working hot permits, 70E PPE	N	1	1	3	2	6								
	Reflex injury	Training, proper grounding, NRTL equipment rating, making and breaking test lead connections with power off, working hot permits, 70E PPE	N	1	1	2	2	4								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable	41 to 60 Moderate				61 to 80 Substantial				81 or greater Intolerable					